

CORRES. CONTROL

OUTGOING LTR. NO.

DOE ORDER #

98-RF03741

DIST.	LTR	ENC
SENSUSSEN, STAN		
SORMOLINI, ANN		
STRAILSFORD, MARV		
STURDGE, LARRY		
TARD, BOB		
TULTON, JOHN		
TARDING, WYNN		
HILL, JOHN	X	X
MARTINEZ, LEN		
PARKER, ALAN		
STOLSTON, STEVE		
SHELTON, DAVE	X	X
TUOR, NANCY		

deker, Virgene
North, Karan

Dryden, Chris X X

Setlock, George X X

CORRES. CONTROL	X	X
ADMIN RECD/116	X	X
PATS/1130G		

CLASSIFICATION:

UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER
SIGNATURE:

Exempt per CEX-266-95

IN REPLY TO RFP CC NO.:

ACTION ITEM STATUS:

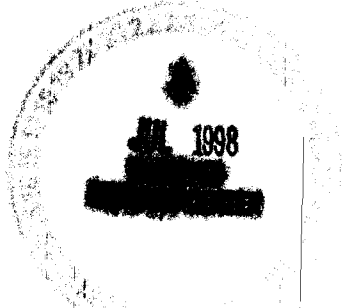
☐ PARTIAL/OPEN☐ CLOSE

LTR APPROVALS:

ORIG. & TYPIST INITIALS

JAH :bag

RF-46469 (Rev. 7/98)

KAISER-HILL
COMPANY

July 22, 1998

98-RF-03741

Regina Sarter
Environmental Compliance
DOE, RFFORECENT REPORTABLE SURFACE-WATER MONITORING RESULTS AT RFCA POINTS OF
EVALUATION SW027 AND GS10 - JAH-028-98

The purpose of this letter is to provide notification of water-quality monitoring results at the Rocky Flats Cleanup Agreement (RFCA) Point of Evaluation (POE) surface-water monitoring location SW027, which is located in the South Interceptor Ditch upstream of Pond C-2 in Woman Creek basin, and for RFCA POE surface-water monitoring location GS10 in the Walnut Creek basin above Pond B-1.

Recent water-quality monitoring results at SW027 have shown maximum 30-day averages of 0.42 pCi/L for plutonium, and results for GS10 of 0.29 pCi/L and 0.16 pCi/L for plutonium and americium, respectively (see Tables 1 and 2, below).

TABLE 1 - RFCA POE SW027: Maximum 30-day Average Calculated Values

Analyte	Max Date	Max 30-day Avg Value
plutonium	5/25/98	0.42 pCi/L

TABLE 2 - RFCA POE GS10: Maximum 30-day Average Calculated Values

Analyte	Max Date	Max 30-day Avg Value
Plutonium	5/22/98	0.29 pCi/L
Americium	5/22/98	0.16 pCi/L

This information needs to be transmitted to the Environmental Protection Agency (EPA) and the Colorado Department of Health and the Environment (CDPHE) within the 15-day RFCA reporting period which ends July 24, 1998 (draft transmittal letter attached).

Water flowing from SW027 is detained in Pond C-2 for sampling and analysis prior to discharge. Pre-discharge samples of Pond C-2 on May 5, 1998 showed activities of 0.03 pCi/L for plutonium and 0.01 pCi/L for americium. Further downstream, maximum individual sample results for RFCA Point of Compliance monitoring locations GS31 (below Pond C-2) and GS01 (Woman Creek and Indiana) are presented in Table 3.

Kaiser-Hill Company, L.L.C.

Courier Address: Rocky Flats Environmental Technology Site, State Hwy. 93 and Cactus, Rocky Flats, CO 80007 • 303.966.7000

Mailing Address: P.O. Box 464, Golden, Colorado 80402-0464

ADMIN RECORD
SW-A -002792

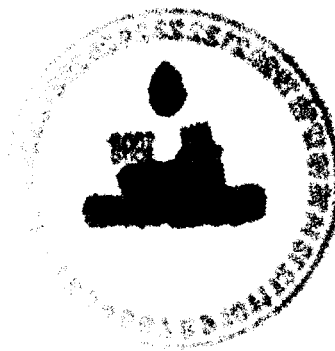


TABLE 3 - Monitoring Results Below SW027: Maximum Individual Sample Results

Location	Analyte	Sampling Period	Max Date	Max Sample Value
GS31	plutonium	5/21/98-5/27/98	5/27/98	0.01 pCi/L
	americium	5/21/98-5/27/98	5/21/98	0.02 pCi/L
GS01	plutonium	5/21/98-5/27/98	5/24/98	0.01 pCi/L
	americium	5/21/98-5/27/98	5/21/98	0.003 pCi/L

Water flowing from GS10 is detained in Pond B-5 for sampling and analysis prior to discharge. Pre-discharge samples for Pond B-5 on May 5, 1998 showed activities of 0.01 pCi/L for both plutonium and americium. Further downstream, maximum individual sample results for RFCA Point of Compliance (POC) monitoring locations GS08 and GS03 are presented in Table 4. These recent GS10 monitoring results will be considered by the in-progress *Plan for Source Evaluation and Preliminary Proposed Mitigating Actions for Walnut Creek Water-Quality Results*.

TABLE 4 - Monitoring Results Below GS10: Maximum Individual Sample Results

Location	Analyte	Sampling Period	Max Date	Max Sample Value
GS08	plutonium	5/22/98-5/28/98	5/22/98	0.02 pCi/L
	americium	5/22/98-5/28/98	5/22/98	0.02 pCi/L
GS03	plutonium	5/22/98-5/29/98	5/29/98	0.02 pCi/L
	americium	5/22/98-5/29/98	5/29/98	0.03 pCi/L

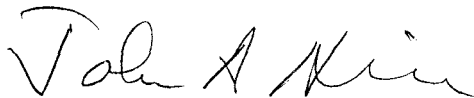
The SW027 measurement also triggers source evaluation requirements under RFCA Attachment 5, Section 2.4 (B). This is the first reportable RFCA monitoring value associated with a Woman Creek basin monitoring location and these recent SW027 monitoring results are not covered by the *Plan for Source Evaluation and Preliminary Proposed Mitigating Actions for Walnut Creek Water-Quality Results*. Thus, Kaiser-Hill will prepare a separate source evaluation plan per RFCA Attachment 5, Section 2.4 (B) which requires a "preliminary plan and schedule for mitigating action." RFCA requires delivery of the plan and schedule within 30 days and the Site should provide this document to EPA and CDPHE by August 8, 1998.

As with the Walnut Creek source evaluation effort, the Site proposes to adopt a similar convention of a basin-wide approach to the Woman Creek source evaluation effort. Thus any

Regina Sarter
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additional Woman Creek monitoring results that trigger reporting under RFCA will be incorporated, as needed, in the latest source evaluation plan and work effort.

If you have any questions on this transmittal, please contact me at extension 6325.

A handwritten signature in cursive script, appearing to read "John A. Hill".

John A. Hill
Vice President Surface Water Quality
Kaiser-Hill Company, L.L.C.

bag

Attachment:
As Stated

cc:
J. E. Law - RMRS
K. M. Motyl - RMRS

DRAFT

DRAFT

DRAFT

Mr. Steve Gunderson
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Mr. Tim Rehder
U. S. Environmental Protection Agency
Region VIII
999 18th Street, Suite 500
Denver, Colorado 80202-2466

Dear Mr. Gunderson and Mr. Rehder:

RECENT REPORTABLE SURFACE-WATER MONITORING RESULTS AT RFCA POINTS OF EVALUATION SW027 AND GS10

The purpose of this letter is to provide notification per RFCA Attachment 5, Section 2.4 (B) of water-quality monitoring results at the Rocky Flats Cleanup Agreement (RFCA) Point of Evaluation (POE) surface-water monitoring location SW027, which is located in the South Interceptor Ditch upstream of Pond C-2 in Woman Creek basin, and for RFCA POE surface-water monitoring location GS10 in the Walnut Creek basin above Pond B-1.

Recent water-quality monitoring results at SW027 have shown maximum 30-day averages of 0.42 pCi/L for plutonium, and results for GS10 of 0.29 pCi/L and 0.16 pCi/L for plutonium and americium, respectively (see Tables 1 and 2, below).

TABLE 1 - RFCA POE SW027: Maximum 30-day Average Calculated Values

Analyte	Max Date	Max 30-day Avg Value
plutonium	5/25/98	0.42 pCi/L

TABLE 2 - RFCA POE GS10: Maximum 30-day Average Calculated Values

Analyte	Max Date	Max 30-day Avg Value
Plutonium	5/22/98	0.29 pCi/L
Americium	5/22/98	0.16 pCi/L

Water flowing from SW027 is detained in Pond C-2 for sampling and analysis prior to discharge. Pre-discharge samples of Pond C-2 on May 5, 1998 showed activities of 0.03 pCi/L

for plutonium and 0.01 pCi/L for americium. Further downstream, maximum individual sample results for RFCA Point of Compliance monitoring locations GS31 (below Pond C-2) and GS01 (Woman Creek and Indiana) are presented in Table 3.

TABLE 3 - Monitoring Results Below SW027: Maximum Individual Sample Results

Location	Analyte	Sampling Period	Max Date	Max Sample Value
GS31	plutonium	5/21/98-5/27/98	5/27/98	0.01 pCi/L
	americium	5/21/98-5/27/98	5/21/98	0.02 pCi/L
GS01	plutonium	5/21/98-5/27/98	5/24/98	0.01 pCi/L
	americium	5/21/98-5/27/98	5/21/98	0.003 pCi/L

Water flowing from GS10 is detained in Pond B-5 for sampling and analysis prior to discharge. Pre-discharge samples for Pond B-5 on May 5, 1998 showed activities of 0.01 pCi/L for both plutonium and americium. Further downstream, maximum individual sample results for RFCA Point of Compliance (POC) monitoring locations GS08 and GS03 are presented in Table 4. These recent GS10 monitoring results will be considered by the in-progress *Plan for Source Evaluation and Preliminary Proposed Mitigating Actions for Walnut Creek Water-Quality Results*.

TABLE 4 - Monitoring Results Below GS10: Maximum Individual Sample Results

Location	Analyte	Sampling Period	Max Date	Max Sample Value
GS08	plutonium	5/22/98-5/28/98	5/22/98	0.02 pCi/L
	americium	5/22/98-5/28/98	5/22/98	0.02 pCi/L
GS03	plutonium	5/22/98-5/29/98	5/29/98	0.02 pCi/L
	americium	5/22/98-5/29/98	5/29/98	0.03 pCi/L

The SW027 measurement also triggers source evaluation requirements under RFCA Attachment 5, Section 2.4 (B). This is the first reportable RFCA monitoring value associated with a Woman Creek basin monitoring location and these recent SW027 monitoring results are not covered by the *Plan for Source Evaluation and Preliminary Proposed Mitigating Actions for Walnut Creek Water-Quality Results*. Thus, Kaiser-Hill will prepare a separate source evaluation plan per RFCA Attachment 5, Section 2.4 (B) which requires a "preliminary plan and schedule for mitigating action." RFCA requires delivery of the plan and schedule within 30 days and the Site will provide this document by August 8, 1998.

As with the Walnut Creek source evaluation effort, the Site proposes to adopt a similar convention of a basin-wide approach to the Woman Creek source evaluation effort. Thus any additional Woman Creek monitoring results that trigger reporting under RFCA will be incorporated, as needed, in the latest source evaluation plan and work effort.

If you have any questions on this transmittal, please contact me at 966-7252.